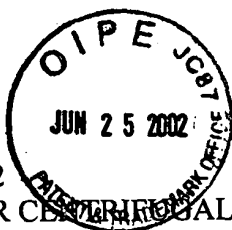


Form PTO-1449

Applicant: Kevin E. Collier
Serial No.: 10/056,190
Filing Date: January 25, 2002
For: METHODS FOR CENTRIFUGALLY SEPARATING MIXED COMPONENTS OF A FLUID STREAM



Sheet 1 of 8
Confirmation No.: 5044
Att'y Docket No.: 14794.3.1
Group: 1723

INFORMATION DISCLOSURE CITATIONS MADE BY APPLICANTU.S. Patent Documents

<u>Examiner Initial*</u>	<u>Document Number</u>	<u>Issue Date</u>	<u>Name</u>
<u>DR</u> 1	RE 34,321	07/20/1993	Campbell
<u>DR</u> 2	315,876	04/14/1885	Zimmer
<u>DR</u> 3	382,966	05/15/1888	Freitag
<u>DR</u> 4	632,616	09/05/1899	Alfven
<u>DR</u> 5	635,488	10/24/1899	Kneeland
<u>DR</u> 6	690,833	07/07/1902	Sharples
<u>DR</u> 7	699,217	05/06/1902	Mccomack
<u>DR</u> 8	1,664,769	04/03/1928	Chance
<u>DR</u> 9	1,669,379	01/15/1929	Sperry
<u>DR</u> 10	1,782,974	11/25/1930	Rozieres
<u>DR</u> 11	1,811,157	06/23/1931	Schwerdtfeger
<u>DR</u> 12	1,870,113	08/02/1932	Hawkins et al.
<u>DR</u> 13	2,010,405	08/06/1935	MacIsaac
<u>DR</u> 14	2,067,590	01/12/1937	Ayres
<u>DR</u> 15	2,073,216	03/09/1937	Mann

RECEIVED
JUN 28 2002
TC 1700

Examiner:

Dan A. Ruffner

Date Considered:

2/29/03

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant:

Serial No.:

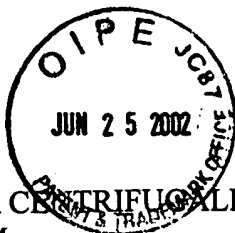
Filing Date:

For:

Kevin E. Collier

10/056,190

January 25, 2002

METHODS FOR CENTRIFUGALLY SEPARATING MIXED COMPONENTS OF A
FLUID STREAM

Confirmation No.: 5044

Att'y Docket No.: 14794.3.1

Group: 1723

<u>DR</u> 16	2,077,813	04/20/1937	Strezyński
<u>DR</u> 17	2,126,864	08/16/1938	Bath
<u>DR</u> 18	2,145,541	01/31/1939	Forsberg
<u>DR</u> 19	2,269,716	01/13/1942	Greg
<u>DR</u> 20	2,337,291	12/21/1943	Adams et al.
<u>DR</u> 21	2,422,646	06/17/1947	Bartholomew
<u>DR</u> 22	2,594,445	04/29/1952	Keith, Jr.
<u>DR</u> 23	2,719,668	10/04/1955	Bergner
<u>DR</u> 24	2,733,855	02/07/1956	McGoy
<u>DR</u> 25	2,870,912	01/27/1959	Mathieu
<u>DR</u> 26	3,059,282	10/23/1962	Smith
<u>DR</u> 27	3,081,027	03/12/1963	Coulson
<u>DR</u> 28	3,168,474	02/1965	Stallman et al.
<u>DR</u> 29	3,201,036	08/17/1965	Halbach et al.
<u>DR</u> 30	3,288,360	11/29/1966	Babelay et al.
<u>DR</u> 31	3,307,780	03/07/1967	Kompert
<u>DR</u> 32	3,341,093	09/12/1967	Putterlik
<u>DR</u> 33	3,408,000	10/29/1968	Nilson
<u>DR</u> 34	3,437,209	04/08/1969	Evans
<u>DR</u> 35	3,460,751	08/12/1969	Hemfort, Sr.

RECEIVED
JUN 28 2002
TC 1700

Examiner:

Dan A. Ruffey

Date Considered:

4/2002

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449

Applicant: Kevin E. Collier
 Serial No.: 10/056,190
 Filing Date: January 25, 2002
 For: METHODS FOR CENTRIFUGALLY SEPARATING MIXED COMPONENTS OF A FLUID STREAM



Sheet 3 of 8
 Confirmation No.: 5044
 Att'y Docket No.: 14794.3.1
 Group: 1723

<u>DR</u> 36	3,494,545	02/10/1970	Nilson
<u>DR</u> 37	3,535,158	10/20/1970	McBridge et al.
<u>DR</u> 38	3,623,658	11/30/1971	Garbaty
<u>DR</u> 39	3,642,196	02/15/1972	Nilsson
<u>DR</u> 40	3,647,135	03/07/1972	Mercier
<u>DR</u> 41	3,655,058	04/11/1972	Novak
<u>DR</u> 42	3,702,704	11/14/1972	Bloch
<u>DR</u> 43	3,703,984	11/28/1972	Fruessner
<u>DR</u> 44	3,730,423	05/01/1973	Coulson
<u>DR</u> 45	3,750,940	08/07/1973	Nilsson
<u>DR</u> 46	3,752,389	08/14/1973	Nilsson
<u>DR</u> 47	3,774,840	11/27/1973	Boatright
<u>DR</u> 48	3,825,177	07/23/1974	Kohlstett
<u>DR</u> 49	3,847,327	11/12/1974	Erikson et al.
<u>DR</u> 50	3,883,114	05/13/1975	Harris et al.
<u>DR</u> 51	3,938,734	02/17/1976	Wilke
<u>DR</u> 52	3,991,935	11/16/1976	Henning
<u>DR</u> 53	4,015,773	04/05/1977	Thylefors
<u>DR</u> 54	4,098,696	07/04/1978	Humphrey et al.
<u>DR</u> 55	4,151,950	05/01/1979	Gunnnewig

RECEIVED
 JUN 28 2002
 TC 1700

Examiner:

Dana Reynolds

Date Considered:

7/2003

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

RECEIVED
JUN 28 2002
TC 1700

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449

Applicant: Kevin E. Collier
 Serial No.: 10/056,190
 Filing Date: January 25, 2002
 For: METHODS FOR CENTRIFUGALLY SEPARATING MIXED COMPONENTS OF A FLUID STREAM



Sheet 5 of 8
 Confirmation No.: 5044
 Att'y Docket No.: 14794.3.1
 Group: 1723

<u>DR</u> 76	4,936,821	06/26/1990	Zuccato
<u>DR</u> 77	4,959,158	09/25/1990	Melkrantz
<u>DR</u> 78	4,963,272	10/16/1990	Garrett
<u>DR</u> 79	5,037,558	08/16/1991	Kalnins
<u>DR</u> 80	5,045,046	09/03/1991	Bond
<u>DR</u> 81	5,062,955	11/05/1991	Sciamanna
<u>DR</u> 82	5,068,035	11/28/1991	Mohr
<u>DR</u> 83	5,114,568	05/19/1992	Brinsmead et al.
<u>DR</u> 84	5,116,488	05/26/1992	Korregrossa
<u>DR</u> 85	5,133,861	07/28/1992	Grieve
<u>DR</u> 86	5,149,432	09/22/1992	Lavin
<u>DR</u> 87	5,156,745	10/20/1992	Cairo, Jr. et al.
<u>DR</u> 88	5,180,493	01/19/1993	Grieve
<u>DR</u> 89	5,200,083	04/16/1993	Kaylor
<u>DR</u> 90	5,230,797	07/27/1993	Knelson
<u>DR</u> 91	5,246,592	09/21/1993	Schweizer et al.
<u>DR</u> 92	5,279,637	01/18/1994	Lynam et al.
<u>DR</u> 93	5,354,256	10/11/1994	Knelson
<u>DR</u> 94	5,387,342	02/07/1995	Rogers et al.
<u>DR</u> 95	5,464,536	11/07/1995	Rogers

RECEIVED
 JUN 28 2002
 TC 1700

Examiner:

Date Considered:

Dan R. Ruffalo

4/2003

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449

Applicant:

Serial No.:

Filing Date:

For:

Kevin E. Collier

10/056,190

January 25, 2002

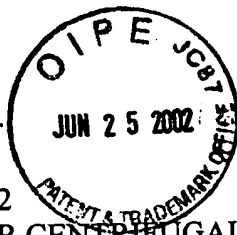
METHODS FOR CENTRIFUGALLY SEPARATING MIXED COMPONENTS OF A
FLUID STREAM

Sheet 6 of 8

Confirmation No.: 5044

Att'y Docket No.: 14794.3.1

Group: 1723



<u>DR</u> 96	5,466,385	11/14/1995	Rogers et al.
<u>DR</u> 97	5,582,724	12/10/1996	Rogers et al.
<u>DR</u> 98	5,853,266	12/19/1998	Parkinson et al.

RECEIVED
JUN 28 2002
TC 1700

Foreign Patent Documents

<u>Examiner Initial*</u>	<u>Document Number</u>	<u>Publication Date</u>	<u>Country or Patent Office</u>	<u>Translation</u>
<u>DR</u> 99	672.184	12/24/1929	France	No
<u>DR</u> 100	826.502	04/01/1938	France	No
<u>DR</u> 101	40702	09/03/1887	Germany	No
<u>DR</u> 102	321 855	06/15/1920	Germany	No
<u>DR</u> 103	610 608	03/13/1935	Germany	No
<u>DR</u> 104	723 672	08/08/1942	Germany	No
<u>DR</u> 105	1 113 184	08/24/1961	Germany	No
<u>DR</u> 106	1 432 891	09/04/1969	Germany	No
<u>DR</u> 107	23 36 564	04/01/1975	Germany	No
<u>DR</u> 108	DE 32 03 185 A1	08/11/1983	Germany	No
<u>DR</u> 109	DE 34 08 789 A1	09/12/1985	Germany	No
<u>DR</u> 110	WO 93/11877	06/24/1993	PCT	N/A
<u>DR</u> 111	66 414	05/23/1967	Poland	No
<u>DR</u> 112	129 042	12/23/1985	Poland	No

Examiner:

Date Considered:

4/2003

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449

Applicant:

Serial No.:

Filing Date:

For:

Kevin E. Collier

10/056,190

January 25, 2002

METHODS FOR CENTRIFUGALLY SEPARATING MIXED COMPONENTS OF A
FLUID STREAM



Sheet 7 of 8

Confirmation No.: 5044

Att'y Docket No.: 14794.3.1

Group: 1723

<u>PR</u> 113	957929	02/06/1981	Russia	No
<u>DR</u> 114	260,071	08/15/1926	United Kingdom	N/A
<u>DR</u> 115	GB 2 226 271 A	06/27/1990	United Kingdom	N/A

RECEIVED

JUN 28 2002

TC 1700

Other Documents

(including author, title, pertinent pages, etc.)

Examiner

Initial*

- PR 116 Technology in Perspective, *Giving Ear to Improve Centrifuge Performance*, 1990.
- DR 117 Brochure on ALFAX Self-Cleaning Centrifugal Separators with Controlled Partial Discharge – WHPX Series, No. PD A0717E5, ALFA-LAVAZ, 1990.
- PR 118 Brochure on ALFA-LAVAL Separation, No. PD 41075E, 1990.
- ~~119 Tim Comitius, *Advances in Water Treating Solving Production Problems*, Offshore, March 1988, pp. 27-29.~~
- PR 120 *Multiphase Boosting and Metering*, The Products of Today for Tomorrow, Framo Engineering AS, Norway, 1992.

References Cited by Applicants

While the filing of Information Disclosure Statements is voluntary, the procedure is governed by the guidelines of Section 609 of the Manual of Patent Examining Procedure and 37 C.F.R. §§ 1.97 and 1.98. To be considered a proper Information Disclosure Statement, Form PTO-1449 shall be accompanied by a copy of each listed patent or publication or other item of information and a translation of the pertinent portions of foreign documents (if an existing translation is readily available to the applicant), an explanation of relevance of each reference not in the English language, and should be submitted in a timely manner as set out in MPEP Sec. 609.

Examiners will consider all citations submitted in conformance with 37 C.F.R. § 1.98 and MPEP Sec. 609 and place their initials adjacent the citations in the spaces provided on this form. Examiners will also initial citations not in conformance with the guidelines which may have been considered. A reference may be considered by the Examiner for any reason whether or not the citation is in full conformance with the guidelines. A line will be drawn through a citation

Examiner:

Date Considered:

Don A. Rensford

4/2003

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449

Applicant: Kevin E. Collier
Serial No.: 10/056,190
Filing Date: January 25, 2002
For: METHODS FOR CENTRIFUGALLY SEPARATING MIXED COMPONENTS OF A FLUID STREAM



Sheet 8 of 8
Confirmation No.: 5044
Att'y Docket No.: 14794.3.1
Group: 1723

if it is not in conformance with the guidelines AND has not been considered. A copy of the submitted form, as reviewed by the Examiner, will be returned to the applicant with the next communication. The original of the form will be entered into the application file.

Each citation initialed by the Examiner will be printed on the issued patent in the same manner as references cited by the Examiner on Form PTO-892.

The reference designations "A1," "A2," etc. (referring to Applicant's reference 1, Applicant's reference 2, etc.) will be used by the Examiner in the same manner as Examiner's reference designations "A," "B," "C," etc. on Office Action Form PTO-1142.

G:\DATA\WPDOCS3\DFW\DLT\Econova\03_01\0305ids1449.doc

RECEIVED
JUN 28 2002
TC 1700

Examiner:

Date Considered:

David A. Reifmiller 4/2003

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.